

What is Claimed is:

- Sub B1 } 1. A covering for an implantable device comprising
a first surface, the first surface being non-textured, and
a second surface having ridges and valleys.
- Sub A2 } 2. The covering of claim 1 further comprising PTFE material.
- Sub C5 } 3. The covering of claim 1 wherein the ridges and valleys of the second surface
form nested geometric structures.
4. The covering of claim 3 wherein the nested geometric structures comprise
nested hexcels.
- Sub E3 } 5. An implantable device covering comprising
a sheet of flexible material having first and second surfaces,
the first surface being flat,
the second surface having peaks and troughs and being adapted to interface
with body tissues.
6. The covering of claim 5 further comprising PTFE material.
- Sub D8 } 7. The covering of claim 5 wherein the peaks and troughs of the second surface
form nested geometric structures.

8. The covering of claim 7 wherein the nested geometric structures comprise nested hexcels.

5 9. An implantable device and covering comprising
an implantable device, and
a sheet of flexible material attachable to the implantable device, the sheet
including a tissue interfacing surface, wherein the tissue interfacing surface includes a
plurality of structures forming ridges and valleys.

10. The implantable device and covering of claim 9 wherein the covering further
comprising PTFE material.

11. The implantable device and covering of claim 9 wherein the ridges and
valleys of the tissue interfacing surface form nested geometric structures.

12. The implantable device and covering of claim 11 wherein the nested
geometric structures comprise nested hexcels.

20 13. An implantable device covering comprising
a sheet of flexible material having first and second surfaces,
the first surface being non-textured,

the second surface having first and second planar surfaces, the first and
second planar surfaces being in non-planar relation.

Sub
C10>

14. The covering of claim 13 further comprising PTFE material.

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Add
a5 >

Add B4 >
7add D9